L. Newburry

From the INTERNATIONAL SEARCHING AUTHORITY

To: HONEYWELL INTERNATIONAL INC. Attn. Criss, Roger H. 101 Columbia Road P.O. Box 2245 Morristown, New Jersey 07960

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION LAW-PHX-IC

(PCT Rule 44.1) .!!!! 0 9 2002

UNITED STATES OF AMERICA	002 0 2 2003
	Date of mailing (day/month/year) 23/06/2003
Applicant's or agent's file reference	
H0002114	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 03/ 03376	International filing date (day/month/year) 05/02/2003
Applicant	
HONEYWELL INTERNATIONAL INC.	

					_
1.	X			notified that the International Search Report has been established and is transmitted herewi	th.
		Filing of The appl	f amendments a licant is entitled,	and statement under Article 19: If he so wishes, to amend the claims of the international Application (see Rule 46):	
		When?	The time limit to	or filling such amendments is normally 2 months from the date of transmittal of the earch Report; however, for more details, see the notes on the accompanying sheet.	
		Where?	Directly to the	International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41–22) 740.14.35	
		For more	e detailed instri	uctions, see the notes on the accompanying sheet.	
2.		The appl Article 17	icant is hereby n 7(2)(a) to that eff	notified that no International Search Report will be established and that the declaration und fect is transmitted herewith.	ler
3.		With reg	ard to the prote	est against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:	
		the app	protest together dicant's request	r with the decision thereon has been transmitted to the international Bureau together with the to forward the texts of both the protest and the decision thereon to the designated Offices.	е
	:	no d	decision has bee	en made yet on the protest; the applicant will be notified as soon as a decision is made.	
4.	Furti	ner action	n(s): The appl	icant is reminded of the following:	
	# #	ie applica	nt wisnes to avo	the priority date, the international application will be published by the International Bureau. and or postpone publication, a notice of withdrawal of the international application, or of the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the	

completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Authorized officer

Maria Zinburgova

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended, it must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

'A LINT COOPERATION TREAT'.

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification (Form PCT/ISA/2	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
nternational application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
CT/US 03/03376	05/02/2003	
pplicant	03/02/2003	08/02/2002
ONEYWELL INTERNATIONAL	INC.	8
This International Search Report has beaccording to Article 18. A copy is being	een prepared by this International Searching Auth transmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consis	sts of a total of sheets. by a copy of each prior art document cited in this	report.
I. Basis of the report		
-	e international search was carried out on the bas unless otherwise indicated under this item.	
the international search Authority (Rule 23.1(b))	was carried out on the basis of a translation of t .	ne international application furnished to this
	and/or amino acid sequence disclosed in the in the sequence listing: tional application in written form.	ternational application, the international search
	ternational application in computer readable form	1.
	to this Authority in written form.	
furnished subsequently	to this Authority in computer readble form.	
the statement that the s international application	ubsequently furnished written sequence listing do as filed has been fumished.	es not go beyond the disclosure in the
		identical to the written sequence listing has been
Certain claims were fo	und unsearchable (See Box I).	
Unity of invention is la		
With regard to the title,	·	
F777	submitted by the applicant.	
	shed by this Authority to read as follows:	
the text has been establi	ubmItted by the applicant. shed, according to Rule 38.2(b), by this Authority e date of mailing of this international search repo	as it appears in Box III. The applicant may,
The figure of the drawings to be pub		1
as suggested by the app		None of the figures.
because the applicant fai		land the figures.

ational application No.

INTERNATIONAL SEARCH REPORT

PCT/US 03/03376

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A novel and inventive hand held powder-fed laser fusion welding torch (100) providing manual flexibility for laser welding with powder-fed material. The hand held laser includes a body (104), handle (102), and nozzle assembly (140). The nozzle may be shrouded by a cover (170) that is slightly spaced apart from the nozzle. The gap between the two may provide space through which inert gas may flow. Laser light from a remote source shines through the nozzle's central aperture. The nozzle aperture (144) may be circumscribed by powder channel outlets (148) aligned upon a working focal point coincident with the laser beam to treat a workpiece. A proximity sensor (220) may enable selective welding torch operation according to the presence of a workpiece.

A: CLASSIFICATION OF SUBJECT MATTER IPC 7 B23K26/14 F01D5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ IPC 7 & B23K & F01D \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	. AT 401 246 B (SCHUOECKER DIETER DIPL ING DR ;THEWANGER JOERG (AT)) 25 July 1996 (1996-07-25) the whole document	1-10
Y	US 5 321 228 A (UELZE ANDREAS ET AL) 14 June 1994 (1994-06-14) the whole document	1-10
Y	DE 39 42 048 A (GEN ELECTRIC) 9 August 1990 (1990-08-09) figures 2,3	4
٩	US 4 564 736 A (RICHARDSON DONALD C ET AL) 14 January 1986 (1986-01-14)	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:	
 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but died to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
11 June 2003	23/06/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer
Tel. (+31–70) 340–2040, Tx. 31 651 epo nt, Fax: (+31–70) 340–3016	Caubet, J-S

ategory °	ction) DOCUMENTS CONSIDERED TO BE RELEVANT	
- 63.7	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 03, 30 March 2000 (2000-03-30) & JP 11 347774 A (AMADA CO LTD), 21 December 1999 (1999-12-21) abstract	·
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Publication
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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
AT 401246	В	25-07-1996	AT	63492 A	15-12-1995
US 5321228	A	14-06-1994	DE DE EP JP AT WO	4120790 A1 59207001 D1 0549747 A1 6503040 T 141833 T 9300171 A1	14-01-1993 02-10-1996 07-07-1993 07-04-1994 15-09-1996 07-01-1993
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US 4564736	Α	14-01-1986	NONE		
JP 11347774	Α	21-12-1999	NONE		